GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VIII • EXAMINATION – SUMMER 2014

Subject Code: 181905Date: 27-05-2014Subject Name: Industrial Safety and Maintenance EngineeringTime: 10:30 am TO 01:00 pmTotal Marks: 70Instructions:1. Attempt all questions.2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.			
Q.1	(a) (b)	Discuss the Risk Associated with Industrial Work Safety at Work Increase Productivity of Industry: Justify	07 07
Q.2	(a) (b)	Explain role of Safety Education and training in Industry Discuss the cost of accidents	07 07
	(b)	OR Role of Industrial Psychology in Prevention of Accident	07
Q.3	(a) (b)	Discuss: (1) Safety Trials and (2) Industrial Hygiene Discuss Measures for Maintenance Performance OR	07 07
Q.3	(a) (b)	Role of ESI Act for Industrial Safety: Discuss in brief What are the Major chances of Equipment failure	07 07
Q.4	(a) (b)	Discuss: Equipment life cycle Explain how sales and marketing directly affect equipment reliability OR	07 07
Q.4	(a) (b)	Discuss objective of Preventive Maintenance Breakdown maintenance is reactive type maintenance: Discuss	07 07
Q.5	(a) (b)	Explain Maintenance strategy Explain on load and off load testing for condition monitoring OR	07 07
Q.5	(a) (b)	List various methods of wear debris analysis: Explain any two in brief Noise and vibration is major challenge for Industrial Equipment, Explain the major steps to be consider while designing the equipment to minimize Noise and Vibration.	07 07
